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said base station varying an emanation interval of said beacon signal to said intermittent power-on type mobile station according to a transmission data amount to be transmitted to said intermittent power-on type mobile station;

said intermittent power-on type station varying a receiving timing of the beacon signal which shifts to its power-on state[,] according to said emanation interval.

11. (Twice Amended) A base station in a radio communications system wherein said base station emanates a beacon signal to an intermittent power-on type mobile station at regular intervals and communicates with said intermittent power-on type mobile station by radio while controlling said intermittent power-on type mobile station[,] in said radio communications system[;], said communications system accommodating said intermittent power-on type mobile station which shifts to its power-on state synchronously with a received timing of said beacon signal, with a constant period of time after a reception of said beacon signal being a data receive-ready period[;], said base station comprising:

beacon signal emanation interval varying means for varying the emanation interval of said beacon signal to be transmitted to said intermittent power-on type mobile station according to a transmission data amount of said intermittent power-on type mobile station.

17. (Twice Amended) An intermittent power-on type mobile station which shifts to its powered-on [states] state synchronously with a received timing of a beacon signal emanated regularly from a base station, with a constant period after a reception of said beacon signal being a data receive-ready period, comprising: